Docket No.: 51876P603

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

SOON-YOUNG EOM

Application No.:

Filed:

For: broadband phase shifter using coupled

lines and parallel open/short stubs

Art Group:

Examiner:

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted concurrently with the . It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Date: Ulloy

Respectfully submitted,

BLAKELY, SOROLOFF, TAYLOR & ZAFMAN LLP

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known			
				Application Number			
				Filing Date			
				First Named Inventor	Soon-Young Eom		
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Sheet	1	of	2	Attorney Docket Number	51876P603		

U.S. PATENT DOCUMENTS						
Examiner Initials*	miner Cite No.1 Number - Kind Code² (if known,		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US-4612520	09-16-1986	Boire et al.		
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FOREIGN PATENT DOCUMENTS								
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	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document				
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Signature	Consi	dered

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Cu	Complete if Known			
				Application Number				
				Filing Date				
				First Named Inventor	Soon-Young Eom			
				Art Unit				
				Examiner Name				
Sheet	2	of	2	Attorney Docket Number	51876P603			

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
		1985 IEEE MTT-S Digest, Pages 601-604				
		IEEE Transactions on Microwave Theory and Techniques, vol. 41, no. 1, January 1993, pages 9-14				
,	•	Microwaves, December 18, 1979, pages 67-68				
		The Korea Electromagnetic Engineering Society, vol. 14, no. 4, April 2003, pages 401-412				
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Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 08/11/2003. Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

# **Information Disclosure Statement**

## New U.S. Patent Application for BROADBAND PHASE SHIFTER USING COUPLED LINES AND PARALLEL OPEN/SHORT STUBS Our Ref. No.: P03EB022/US/jy

#### Reference No.:

- (1) A 4.5 to 18 GHz Phase Shifter (1985 IEEE MTT-S Digest, Pages 601-604)
- (2) Novel Schiffman Phase Shifters
  (IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, VOL. 41, NO. 1,
  JANUARY 1993, PAGES 9-14)
  - (3) US Patent No. 4,612,520
- (4) Try  $\lambda$  /8 Stubs For Fast Fixed Phase Shifts (Microwaves, December 18, 1979, Pages 67-68)